

QMS 4060 Print System



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The high-performance QMS® 4060 Print System is designed to service large workgroups and complex networks; but offers the ease-of-use typically found in desktop printers. The QMS 4060 will set the pace for the busiest departmental printing requirements, including sustained and peak workgroup production, month-end and multiple original copy (or "mopy") printing.

QMS combines the most requested network features into its next-generation production class print system. 40 page-per-minute print speed. Powerful processing. 600 dpi resolution. Multiple emulations. Low cost of operation. Easy to use consumables. Duplexer for two-sided printing included. Advanced paper handling capabilities. Resident network interface. For production printing, the QMS 4060 Print System has it all.

With the QMS 4060, high-speed "mopy" production is practical and cost-effective. Rather than printing a document and then making copies for distribution, the QMS 4060 can quickly provide quality originals for everyone on the distribution list.

Network administrators will appreciate the variety of real-time printer management utilities built into the printer's CrownAdmin™ software. Administrators can remotely view and configure the printer, or groups of printers, as well as quickly check printer usage and accounting statistics.

With the next-generation QMS 4060, powerful processing intelligence is matched with rugged, versatile production performance to create a dynamic solution for business printing.

Print System Features:

Speed

- ◆ The QMS 4060 Print System features an impressive internal controller based on the powerful NEC VR4300™ RISC processor running at 100 MHz and QMS Crown® multitasking technology to produce documents at speeds up to 40 images per minute on letter / A4 page sizes.

Quality & Reliability

- ◆ QMS Crown technology delivers Simultaneous Interface Operation (SIO) and Emulation Sensing Processing (ESP) allowing the printer to automatically detect and switch emulations on the fly.
- ◆ The Print System features the QMS Software Loadable System which provides an easy and convenient method of adding printer functionality and new enhancements.
- ◆ Components usually replaced during regularly scheduled maintenance visits, such as rollers and fusers, are now packaged as consumable parts that can be replaced by the user at any time.

Connectivity Options

- ◆ The QMS 4060 features a CrownNet™ interface for Ethernet and a bidirectional IEEE 1284 parallel interface for standard connectivity. CrownNet for Token-Ring, DECnet®-TCP/IP, LocalTalk™, and RS-232 serial interface options available.
- ◆ Translation and printing of Xerox® UDK/XES data streams available. Translation and printing of IBM® mainframe and midrange IPDS and non-IPDS data streams available with optional IBM interfaces.

Imaging and Forms Solutions

- ◆ Existing electronic forms and data streams can be ported from line printers directly to the QMS 4060 Print System, with little or no changes, by using the QFORM™ option, a printer-based software utility that formats these jobs for the QMS Print System.
- ◆ An optional QMS 4060 configuration features high performance image-enabled software. The QMS 4060 ImageServer® provides superior document imaging processing for fast, image-on-demand capability in client-server environments.

Document Handling Capability

- ◆ Designed to support the rigours and variety of departmental printing, the Print System's standard configuration accommodates three 500-sheet input trays that can be adjusted to handle up to 11" x 17" pages. The printer's standard output capacity is 500 sheets.
- ◆ The QMS 4060 Print System is available with two significant departmental paper-handling options. The printer can be equipped with a large capacity input feeder that provides 3,000 additional letter-size sheets—providing a total of 4,500 sheets—ideal for the rigorous paper requirements of large workgroups. An optional output stacker offsets print jobs so users can easily identify their individual jobs from others in the stacker. The QMS 4060 supports printer-based electronic collation and automatic paper jam recovery.



Product Specifications

Configuration

- ◆ **QMS 4060 Print System** basic configuration supports up to 11" x 17" page sizes, duplexing capability (two-sided printing), 32 MB RAM, an internal hard disk, and 600 dpi resolution.

Technical Specifications

THE PRINTING PROCESS

- ◆ **Print Method**—Electrophotographic recording with semiconductor laser.
- ◆ **Resolution**—600 x 600 dpi or 300 x 300 dpi.
- ◆ **Engine Speed**—

Paper Size	Simplex	Duplex
Letter / A4	40ppm	20ppm
Ledger / A3	21ppm	7.5ppm

Actual print speed is application-dependent.

- ◆ **Recommended Duty Cycle**—Up to 300,000 prints per month.

THE HARDWARE AND SOFTWARE CAPABILITIES

- ◆ **Type**—Based on the NEC Vr4300 RISC processor operating at 100 MHz and utilizing QMS Crown multitasking technology.
- ◆ **Memory**—32 MB RAM, expandable to 128 MB.
- ◆ **Internal IDE Hard Drives**—A high capacity internal IDE hard drive is standard for resident fonts and forms storage, job spooling, and expanded virtual memory.
- ◆ **External Hard Drives (optional)**—Provide permanent storage of downloadable typefaces and emulations.
- ◆ **Printer Emulations**—Standard emulations include PostScript™ Level 2, HP PCL® 5e, HP-GL®, Line Printer. Optional emulations include QUIC® II, UDK/XES, and LN03® Plus.
- ◆ **Printer Management**—QMS CrownAdmin™ 2 print management software provides real-time printer status retrieval, remote printer configuration, and advanced print control capabilities for Windows® and UNIX® environments. Advanced graphical Windows Level 2 drivers provide point-and-click selections for enhanced image control and fast printer performance. CrownNet Print Utility and Print Monitor for Windows and Windows NT facilitate “serverless printing” by allowing jobs to bypass the network server entirely, significantly reducing network traffic and server degradation.
- ◆ **Typefaces**—42 resident PostScript typefaces. All typefaces have multilingual character sets. TrueType fonts supported under PostScript emulation. 51 resident HP PCL fonts for PCL 5e compatibility. 49 HP-GL symbol sets also included.
- ◆ **Real-Time Clock**—Stamps output with the time and date to provide a convenient method of tracking time-sensitive documents.

INTERFACE SUPPORT

- ◆ **Simultaneous Interface Operation (SIO)**—Enables all of the printer's interfaces to receive data simultaneously.

- ◆ **Standard Interfaces**—QMS CrownNet for Ethernet (10BaseT and coax) supports NetWare® IPX/SPX; TCP/IP; OS/2 LAN Manager/LAN Server NetBIOS/NetBEUI; and Windows® 3.1x, NT, and 95 NetBIOS/NetBEUI protocols; and bidirectional IEEE 1284 parallel. High-speed SCSI port available for connecting external hard drives.
- ◆ **Optional Interfaces**—QMS CrownNet for Token-Ring (STP and UTP) supports NetWare® IPX/SPX; TCP/IP; OS/2 LAN Manager/LAN Server NetBIOS/NetBEUI; and Windows® 3.1x, NT, and 95 NetBIOS/NetBEUI protocols. Crown for DECnet®-TCP/IP (10BaseT), LocalTalk, and RS-232 serial interfaces also available.
- ◆ **Optional IBM Interfaces**—Ethernet, Token-Ring, coax, or twinax for IBM IPDS; coax or twinax for non-IPDS; RS-232C serial, Centronics® parallel, or coax for Xerox® UDK/XES.

PAPER HANDLING

- ◆ **Paper Sizes Supported**—Letter, legal, ledger, executive, A3, A4, and A5.
- ◆ **Paper Input**—Three 500-sheet input trays that can be adjusted to fit any of the supported paper sizes.
 - Paper Input Options:*
 - Large Capacity Input Feeder*—Provides an additional 3,000 letter/ A4-size sheets.
 - Custom Paper Tray*—Adds support for B4(ISO), B4(JIS), B5(ISO), and B5(JIS) paper sizes, in addition to standard paper sizes. Holds up to 500 sheets.
 - BuzzBox™*—Compact signaling device provides an audio and /or visual indicator to alert users the printer is out of paper or offline.
- ◆ **Paper Output**—500 sheet face-down output tray.
 - Optional Paper Output*—2,000 sheet large capacity offset output stacker. Delivers output either face-up or face-down.
- ◆ **Printable Area**—Actual maximum print area is 5 mm from all sides of supported paper sizes.
- ◆ **Print Media**—Printer can handle office paper, approved transparency material, and approved laser-quality labels through the standard and custom paper trays.
- ◆ **Paper Weights**—17 to 36 lbs. (64 to 105 g/m²) through cassettes. 17 to 24 lbs. (64 to 90 g/m²) through the large capacity input feeder.
- ◆ **Automatic Jam Recovery**—Printer automatically reprints jammed pages.

PHYSICAL

- ◆ **Type**—Laser printer with internal controller.
- ◆ **Weight**—
Basic Printer—287 lbs. (130 kg).
Optional Large Capacity Input Feeder—44 lbs. (20 kg).
Optional Large Capacity Output Stacker—90.5 lbs. (41 kg).

- ◆ **Dimensions**—
Basic Printer (WxDxH) 23" x 25.2" x 40.6"
 (585 mm x 640 mm x 1,030 mm)
With Output Stacker 39" x 25.2" x 40.6"
 (991 mm x 640 mm x 1,038 mm)
With Large Capacity Input Feeder (WxDxH)
 34.5" x 25.2" x 40.6"
 (876 mm x 640 mm x 1,038 mm)
Full Configuration (WxDxH)
 50.5" x 25.2" x 40.6"
 (1,282 mm x 640 mm x 1,030 mm)

ELECTRICAL

- ◆ **Power Requirements**—
100/110V Model—108 to 132 VAC, 50/60 Hz.
200/220V Model—220 to 254 VAC, 50 Hz.
- ◆ **Power Consumption**—
100V/200V—1300W maximum
- ◆ **Energy Star compliant.***

ENVIRONMENTAL

- ◆ **Temperature Requirements—**
Operating—50° to 91° (10° to 32.5° C)
Non-Operating—32° to 95° (0° to 35° C)
- ◆ **Humidity—**
Operating—20% to 80% RH.
Non-Operating—10% to 95% RH.
- ◆ **Noise Level—**
Operating—52 dBA max.
Standby—38 dBA max.

REGULATORY/SAFETY CONFORMITY

- ◆ FCC-A, DOC-A, VCCI, TUV/GS, UL, CSA, CE Marking.

WARRANTY

- ◆ 90 days (on site).

CONSUMABLES

- ◆ The QMS 4060 Print System's toner and developer are packaged in easy-to-use bottles. All user-replaceable components, including the photoconductor drum, pick-up rollers, and the fuser, are simple to install and require no tools.
- ◆ Toner Saver mode provides attractive output while decreasing toner distribution on the page. The Toner Recycling option actually collects and reuses waste toner produced during the printing process.

RESIDENT POSTSCRIPT TYPEFACES

Avant Garde (Normal, Demi, Oblique, Demi Oblique)
 Bookman® (Light, Light Italic, Demi, Demi Italic)
 Courier (Normal, Bold, Oblique, Bold Oblique)
 Helvetica® (Normal, Bold, Oblique, Bold Oblique)
 Helvetica Narrow® (Normal, Bold, Oblique, Bold Oblique)
 Helvetica Condensed® (Normal, Bold, Oblique, Bold Oblique)
 New Century Schoolbook (Normal, Italic, Bold, Bold Italic)
 Palatino® (Normal, Bold, Italic, Bold Italic)
 Times Roman® (Normal, Italic, Bold, Bold Italic)
Zapf Chancery® Medium Italic
 ※※■※※▼▲ (Zapf Dingbats™)
 Σμυβολ (Symbol Set)
 OCR B



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